Applicant: Robert J. Linhardt et al. Attorney's Docket No.: 17023.059US1

Serial No.: 10/786,613 Filed: February 23, 2004

Page : 2 of 6

IN THE CLAIMS

1. (Currently Amended) A method of treating cancer in a host in need of treatment comprising administering to said host an anti-cancer effective amount of a compound of the formula

$$[\rightarrow 4)$$
- α -D-GlcNpAc($1\rightarrow 4$)- α -L-IdoAp2S($1\rightarrow]$ n

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid, and S is sulfate, and n is 1 to 1000.

- 2. (Original) The method of claim 1 wherein n is 4 to 500.
- 3. (Original) The method of claim 1 wherein n is 51 to 100.
- 4. (Original) The method of claim 1 wherein n is 4 to 100.
- 5. (Original) The method of claim 1 wherein n is 4 to 50.
- 6. (Currently Amended) A method of treating a host by inhibiting an increase in the volume or mass of a tumor in said host in need of treatment which comprises administering to said host a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-}D\text{-}GlcNpAc(1\rightarrow 4)\text{-}\alpha\text{-}L\text{-}IdoAp2S(1\rightarrow]n$$

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is idopyranosyluronic acid, and S is sulfate, and n is 1 to 1000 in an amount effective to inhibit an increase in the volume or mass of a tumor.

- 7. (Original) The method of claim 1 wherein n is 4 to 500.
- 8. (Original) The method of claim 1 wherein n is 51 to 100.
- 9. (Original) The method of claim 1 wherein n is 4 to 100.

Applicant: Robert J. Linhardt et al. Attorney's Docket No.: 17023.059US1

Serial No.: 10/786,613

Filed: February 23, 2004

Page : 3 of 6

10. (Original) The method of claim 1 wherein n is 4 to 50.

11-20. (Canceled)